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| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | ATTORNEY'S DOCKET NUMBER MAT-8872US U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/1587778 To Be Assisted |
| INTERNATIONAL APPLICATION NO. PCT/JP2005/000564 | INTERNATIONAL FILING DATE 19 January 2005 (19.01.2005) | PRIORITY DATE CLAIMED 30 January 2004 (30.01.2004) |
| TITLE OF INVENTION <small>COMMUNICATION SYSTEM, INFORMATION PROCESSING SYSTEM, INFORMATION PROCESSING APPARATUS, TUNNEL MANAGEMENT APPARATUS, INFORMATION PROCESSING METHOD, TUNNEL MANAGEMENT METHOD, AND PROGRAM</small> | | |
| APPLICANT(S) FOR DO/EO/US Hajime MAEKAWA and Takumi IKEDA | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: Certificate of Express Mail and PTO 2038 | | |

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

| U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <div style="font-size: 2em; font-weight: bold; text-align: center;">10/587778</div> To Be Assigned | INTERNATIONAL APPLICATION NO. PCT/JP2005/000564 | ATTORNEY'S DOCKET NUMBER MAT-8872US | | | | | | | | | | | | | | | |
|---|--|--|------------------------|---|-----------------------|--------------|-----------|---|---------|---|---------------|---|---------|---|--------|----|----|
| The following fees have been submitted 21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300 22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).... \$0 All other situations.....\$200 23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion prepared by ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).... \$0 Search fee (37 CFR 1.44(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....\$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB \$400 All other situations.....\$500 TOTAL OF 21, 22 and 23 = | | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">CALCULATIONS</th> <th style="text-align: left;">PTO USE ONLY</th> </tr> <tr> <td>\$ 300</td> <td></td> </tr> <tr> <td>\$ 200</td> <td></td> </tr> <tr> <td>\$ 400</td> <td></td> </tr> <tr> <td>\$ 900</td> <td></td> </tr> </table> | CALCULATIONS | PTO USE ONLY | \$ 300 | | \$ 200 | | \$ 400 | | \$ 900 | | | | | | |
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| \$ 300 | | | | | | | | | | | | | | | | | |
| \$ 200 | | | | | | | | | | | | | | | | | |
| \$ 400 | | | | | | | | | | | | | | | | | |
| \$ 900 | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. <table style="width:100%;"> <tr> <td style="width:20%;">Total Sheets</td> <td style="width:20%;">Extra Sheets</td> <td style="width:20%;">Number of each additional 50 or fraction thereof (round up to a whole number)</td> <td style="width:20%;">RATE</td> </tr> <tr> <td>109 - 100 =</td> <td>9</td> <td>1</td> <td>x \$250</td> </tr> </table> | | Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | 109 - 100 = | 9 | 1 | x \$250 | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 250</td> </tr> </table> | \$ 250 | | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | | | | | | | | | | | | | | |
| 109 - 100 = | 9 | 1 | x \$250 | | | | | | | | | | | | | | |
| \$ 250 | | | | | | | | | | | | | | | | | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$</td> </tr> </table> | \$ | | | | | | | | | | | | | | |
| \$ | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:20%;">CLAIMS</th> <th style="width:20%;">NUMBER FILED</th> <th style="width:20%;">NUMBER EXTRA</th> <th style="width:20%;">RATE</th> </tr> <tr> <td>Total claims</td> <td>26 - 20 =</td> <td>6</td> <td>x \$ 50</td> </tr> <tr> <td>Independent claims</td> <td>3 - 3 =</td> <td>0</td> <td>x \$200</td> </tr> </table> | | CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | Total claims | 26 - 20 = | 6 | x \$ 50 | Independent claims | 3 - 3 = | 0 | x \$200 | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 300</td> </tr> <tr> <td>\$</td> </tr> <tr> <td>\$</td> </tr> </table> | \$ 300 | \$ | \$ |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | | | | | | | | | | | | | |
| Total claims | 26 - 20 = | 6 | x \$ 50 | | | | | | | | | | | | | | |
| Independent claims | 3 - 3 = | 0 | x \$200 | | | | | | | | | | | | | | |
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| \$ | | | | | | | | | | | | | | | | | |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>+ \$360</td> </tr> </table> | + \$360 | | | | | | | | | | | | | | |
| + \$360 | | | | | | | | | | | | | | | | | |
| TOTAL OF ABOVE CALCULATIONS = | | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 1,450</td> </tr> </table> | \$ 1,450 | | | | | | | | | | | | | | |
| \$ 1,450 | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. | | | | | | | | | | | | | | | | | |
| SUBTOTAL = | | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 1,450</td> </tr> </table> | \$ 1,450 | | | | | | | | | | | | | | |
| \$ 1,450 | | | | | | | | | | | | | | | | | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(ii)). | | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$</td> </tr> </table> | \$ | | | | | | | | | | | | | | |
| \$ | | | | | | | | | | | | | | | | | |
| TOTAL NATIONAL FEE = | | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 1,450</td> </tr> </table> | \$ 1,450 | | | | | | | | | | | | | | |
| \$ 1,450 | | | | | | | | | | | | | | | | | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$</td> </tr> </table> | \$ | | | | | | | | | | | | | | |
| \$ | | | | | | | | | | | | | | | | | |
| TOTAL FEES ENCLOSED = | | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 1,450</td> </tr> </table> | \$ 1,450 | | | | | | | | | | | | | | |
| \$ 1,450 | | | | | | | | | | | | | | | | | |
| | | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Amount to be refunded:</td> <td style="width:30%;">\$</td> </tr> <tr> <td>Amount to be charged:</td> <td>\$ 1,450</td> </tr> </table> | Amount to be refunded: | \$ | Amount to be charged: | \$ 1,450 | | | | | | | | | | | |
| Amount to be refunded: | \$ | | | | | | | | | | | | | | | | |
| Amount to be charged: | \$ 1,450 | | | | | | | | | | | | | | | | |
| a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>18-0350</u> . A duplicate copy of this sheet is enclosed. d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. | | | | | | | | | | | | | | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.437(a) or (b)) must be filed and granted to restore the International Application to pending status. | | | | | | | | | | | | | | | | | |
| SEND ALL CORRESPONDENCE TO: <input checked="" type="checkbox"/> Customer Number 52473 OR <input type="checkbox"/> Ratner Prestia, P.O. Box 980, Valley Forge, PA 19482 <input type="checkbox"/> Ratner Prestia, P.O. Box 1596, Wilmington, DE 19899 Date: July 28, 2006 | | | | | | | | | | | | | | | | | |
| <div style="text-align: center;"> SIGNATURE Lawrence E. Ashery NAME 34,515 REGISTRATION NUMBER </div> | | | | | | | | | | | | | | | | | |

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| CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10) | | Docket No. | |
| Applicant: Hajime MAEKAWA, et al. | | MAT-8872US | |
| Application No. 107587778 To Be Assigned | Filing Date Herewith | Examiner To Be Assigned | Group Art Unit To Be Assigned |
| Invention: COMMUNICATION SYSTEM, INFORMATION PROCESSING SYSTEM, INFORMATION PROCESSING APPARATUS, TUNNEL MANAGEMENT APPARATUS, INFORMATION PROCESSING METHOD, TUNNEL MANAGEMENT METHOD, AND PROGRAM | | | |
| I hereby certify that the following correspondence: <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> PCT National Stage Application with PTO-1390 and its enclosures </div> <p style="text-align: center;"><i>(Identify type of correspondence)</i></p> <p>Is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, Alexandria, VA 22313-1450 on: <u>July 28, 2006</u></p> <div style="text-align: right; margin-top: 20px;"> <u>DENNIS McDERMOTT</u> <i>(Typed or Printed Name of Person Mailing Correspondence)</i>  <i>(Signature of Person Mailing Correspondence)</i> </div> <div style="text-align: right; margin-top: 10px;"> <u>EV 766 498 713 US</u> <i>("Express Mail" Mailing Label Number)</i> </div> | | | |
| Note: Each paper must have its own certificate of mailing. | | | |